

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002432**Date Inspected:** 24-Mar-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** Office, OBG 9AW, Lift 6 East, Sub-Assembly**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Sub-Assemblies

ZPMC requested a "Final" inspection of finish coated components. Caltrans QA Lumley and Caltrans Engineer Aaron Prchlik with ABF QA Don Walton were all present for the inspection process. The following components were determined to be in general compliance with the contract documents: Counterweights CW28, CW40, CW42, Traveler Rail Brackets TR5C-PP37, TR1D-PP39, TR1C-PP42, TR6B-PP42. Also included were 6-Suspender Brackets which were non-compliant and a revised Notification subsequently delivered omitting the Suspender Brackets from the Final inspection notification.

OBG 9AW

Base metal surfaces of the external Bottom, Side, and Top Plates were abrasive blasted for a VT inspection of welds and base metal deficiencies for allocation and amendment prior to full complete blasting. Deficient areas underwent typical grinding operations and mapping and base metal surfaces were then abrasive blasted to an SSPC SP-10 condition and Interzinc 22 undercoat applied, profile amplitude was 72-80µm and chloride values were 10 & 20µs/cm. Three inspections were performed until SSPC SP-10 was achieved.

Office

Assist ASMR Skyler Guest and Mike Ng in updating items which were ready for transport to California and also addressing punch-list items of work which was not performed and remained outstanding. Also attended to review and signing of project documentation in ABF satellite office adjacent to Blast Shop#1.

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Note: All inspections were performed jointly with ABF & ZPMC QA/QC representatives and Caltrans QA Lumley when achievable. International Protective Coatings technical service representative were available for inspections and consultation.

Summary of Conversations:

No relevant conversations on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang (858) 699-9549, who represents the Office of Structural Materials for your project.

Inspected By:	Lumley,James	Quality Assurance Inspector
Reviewed By:	Peterson,Art	QA Reviewer
